

**To:** Wheeler - CDPHE, Sarah[sarah.wheeler@state.co.us]  
**Cc:** scott.garnicarz@state.co.us[scott.garnicarz@state.co.us]  
**From:** Hermann, Karl  
**Sent:** Tue 8/11/2015 6:53:08 PM  
**Subject:** RE: FW: CO Assessment Prior to Spill

Thanks, Sarah and Scott,

In your 2012 IR, I see both 4b and 5a as 4As for Zn.

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Karl A. Hermann

Monitoring and Assessment

Water Quality Unit, Region 8

U.S. Environmental Protection Agency

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hermann.karl@epa.gov

**From:** Wheeler - CDPHE, Sarah [mailto:sarah.wheeler@state.co.us]  
**Sent:** Tuesday, August 11, 2015 12:24 PM  
**To:** Hermann, Karl  
**Cc:** scott.garnicarz@state.co.us  
**Subject:** Fwd: FW: CO Assessment Prior to Spill

Sorry, I've been in meetings all day but Scott helped look over your list of impairments/TMDL's for the upper Animas. Let us know if you have any questions on his comments.

Thanks,

Sarah

----- Forwarded message -----

From: **Garncarz - CDPHE, Scott** <[scott.garncarz@state.co.us](mailto:scott.garncarz@state.co.us)>

Date: Tue, Aug 11, 2015 at 9:54 AM

Subject: Re: FW: CO Assessment Prior to Spill

To: "Wheeler - CDPHE, Sarah" <[sarah.wheeler@state.co.us](mailto:sarah.wheeler@state.co.us)>

The current Colorado 303(d) List is for the 2012 cycle. For the Animas segments the following are 303(d)-listed (impaired and in need of a TMDL).

Correct----COSJAF04a      Al (trec)

Correct----COSJAF05a      Mn (WS)

Segments COSJAF03a and COSJAF03b were unassessed in 2012.

Data was found for 2012 cycle. Unsure why they are considered unassessed.

In addition, the 2012 cycle had the following segments identified for impaired causes where TMDLs had been completed.

Correct: COSJAF04a      pH  
                                 Cu  
                                 Fe  
                                 Zn

Correct: COSJAF04b      Zn

We have this as COSJAF04b, not 05a      COSJAF05a      Zn

Correct: COSJAF07      Al  
                                 Pb  
                                 Fe  
                                 Cu

Cd

In the current, proposed draft 2016 303(d) list, we have the following:

Remaining on list      COSJAF04a      Al (trec)

Correct:      COSJAF04b      temperature

Aquatic life use (based on macroinvertebrate assessmbalge)

Remaining on list      COSJAF05a      Mn

On Tue, Aug 11, 2015 at 9:14 AM, Wheeler - CDPHE, Sarah <[sarah.wheeler@state.co.us](mailto:sarah.wheeler@state.co.us)> wrote:

Any chance you could help me confirm these listings/TMDL's in the Gold King Mine area?

Thanks!

----- Forwarded message -----

From: **Hermann, Karl** <[Hermann.Karl@epa.gov](mailto:Hermann.Karl@epa.gov)>

Date: Tue, Aug 11, 2015 at 8:06 AM

Subject: FW: CO Assessment Prior to Spill

To: "Wheeler - CDPHE, Sarah" <[sarah.wheeler@state.co.us](mailto:sarah.wheeler@state.co.us)>

FYI – this is information I gave to our response folks. Please double check it with your info. Let me know if there are any issues.

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Karl A. Hermann

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**From:** Hermann, Karl

**Sent:** Tuesday, August 11, 2015 7:30 AM

**To:** OBrien, Wendy

**Cc:** Pierce, Maggie; Graham, Richard

**Subject:** CO Assessment Prior to Spill

The current Colorado 303(d) List is for the 2012 cycle. For the Animas segments the following are 303(d)-listed (impaired and in need of a TMDL).

COSJAF04a      Al (trec)

COSJAF05a      Mn (WS)

Segments COSJAF03a and COSJAF03b were unassessed in 2012.

In addition, the 2012 cycle had the following segments identified for impaired causes where TMDLs had been completed.

COSJAF04a      pH

	Cu
	Fe
	Zn
COSJAF04b	Zn
COSJAF05a	Zn
COSJAF07	Al
	Pb
	Fe
	Cu
	Cd

In the current, proposed draft 2016 303(d) list, we have the following:

COSJAF04a	Al (trec)
COSJAF04b	temperature
	Aquatic life use (based on macroinvertebrate assessmbalge)
COSJAF05a	Mn

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Karl A. Hermann

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**Sarah Wheeler**

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**Scott Garncarz**

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